

## **PROTEIN AND GENE INVOLVED IN MYOCYTE DIFFERENTIATION**

### **ABSTRACT OF THE DISCLOSURE**

5           A novel gene was unexpectedly isolated in an attempt to isolate a gene specifically  
expressed in immortalized cells via antibody screening using an antibody raised against a  
protein occurring specifically in immortalized cells. The gene thus isolated shares no  
sequence homology with the entries deposited in the database and was strongly expressed in  
skeletal muscles and undifferentiated cells. The protein encoded by this gene inhibits the  
10 differentiation of myoblasts into myotubes. It also inhibits the transactivation function of  
p53, a transcription factor involved in tumor suppression.

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